

NAD SERVICE MANUAL

1240
STEREO PREAMPLIFIER

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-1240-

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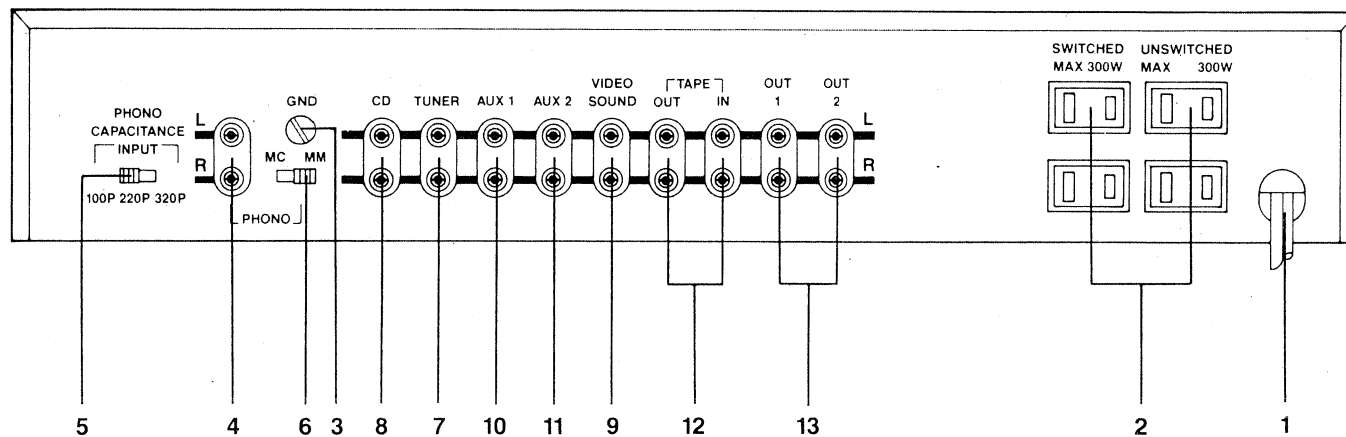
REAR PANEL

1. AC Line Cord.
2. AC Outlets (not in U.K. version).
3. Phono Ground.
4. Phono Input.
5. Phono Capacitance.
6. MM/MC Selector.
7. Tuner Input.
8. CD Input.
9. Video Sound Input.
10. Auxiliary 1 Input.
11. Auxiliary 2 Input.
12. Tape Input/Output.
13. Preamp Outputs (2).

CAUTION

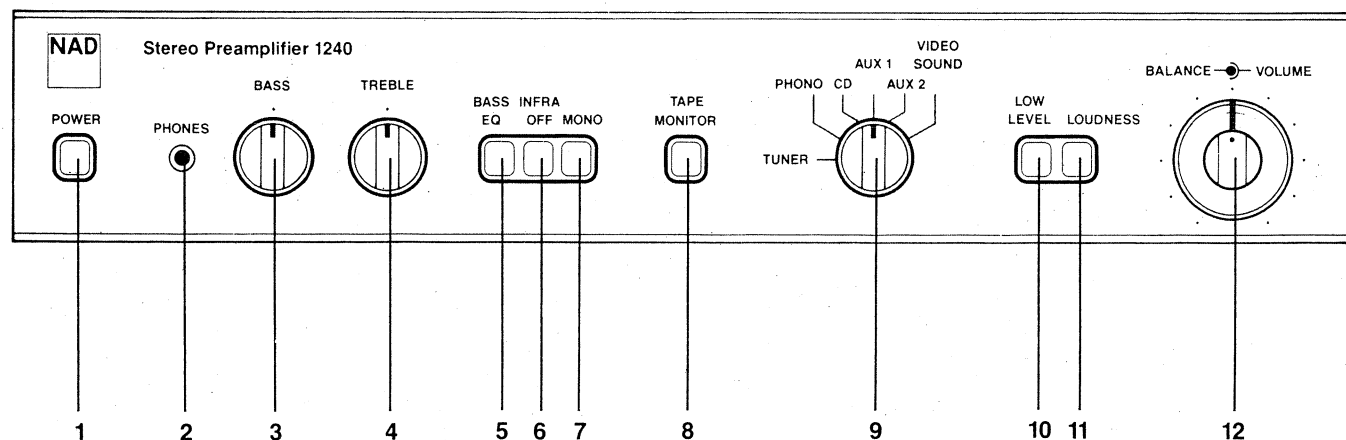
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



FRONT PANEL

1. Power.
2. Phones.
3. Bass.
4. Treble.
5. Bass EQ.
6. Infrasonic Filter Off.
7. Mono.
8. Tape Monitor.
9. Input Selector.
10. Low Level.
11. Loudness.
12. Volume/Balance.



Specifications

NAD 1240 Stereo PreAmplifier

Note: Specifications are measured in accordance with EIA Standard RS-490 (IHF A-202). Measurements referred to the Normal output. Output level are 13 dB higher at the High output; for this output, divide the normal input sensitivity by 4.6.

Phono Input

Input Impedance(MM or MC)		R=47Kohm C=100/226/320 pF
Input Sensitivity	MM	1.5 mV
(1 KHz, 0.5V out)	MC	100uV
Input Overload at	MM	20/180/1500 mV
20Hz/1KHz/20KHz	MC	1.5/13/110 mV
Signal/Noise ratio,		
IHF A-weighted, with	MM	85 dB re 5 mV
cartridge connected	MC	75 dB re 0.5 mV
THD (20Hz-20KHz) and		
IM Distortion at +30 dB level		<0.04 %
RIAA response accurate		±0.5 dB

Line Level Inputs (Tuner, Type, CD, Video)

Input Impedance		R=15 Kohm C=100 pF
Input Sensitivity(0.5V out)		90 mV
Maximum Input Signal		>10 V
THD		0.01 %
Signal/Noise ratio, A-weighted		96 dB re 0.5V out
Frequency Response		20Hz-20KHz ±0.5 dB

Outputs

Output Impedance	Tape (REC)	Source Z + 1000 ohms
	Normal	800 ohm
	High	150 ohm
	Phones	100 ohm (will drive all headphone impedances)
Maximum Output Level	Tape (REC)	9 V
	Normal	9 V
	High/Phones	13V into 50 Kohm load 9V into 600 ohm 300mV into 8 ohm

Controls

Treble	±7 dB at 10 kHz
Bass	±9.5 dB at 50 Hz
Bass Equalization	+2 dB at 70 Hz, +5 dB at 40 Hz
Infrasonic Filter	-3 dB at 9 Hz, 12 dB/octave
Low Level (audio muting)	-20 dB ±1 dB

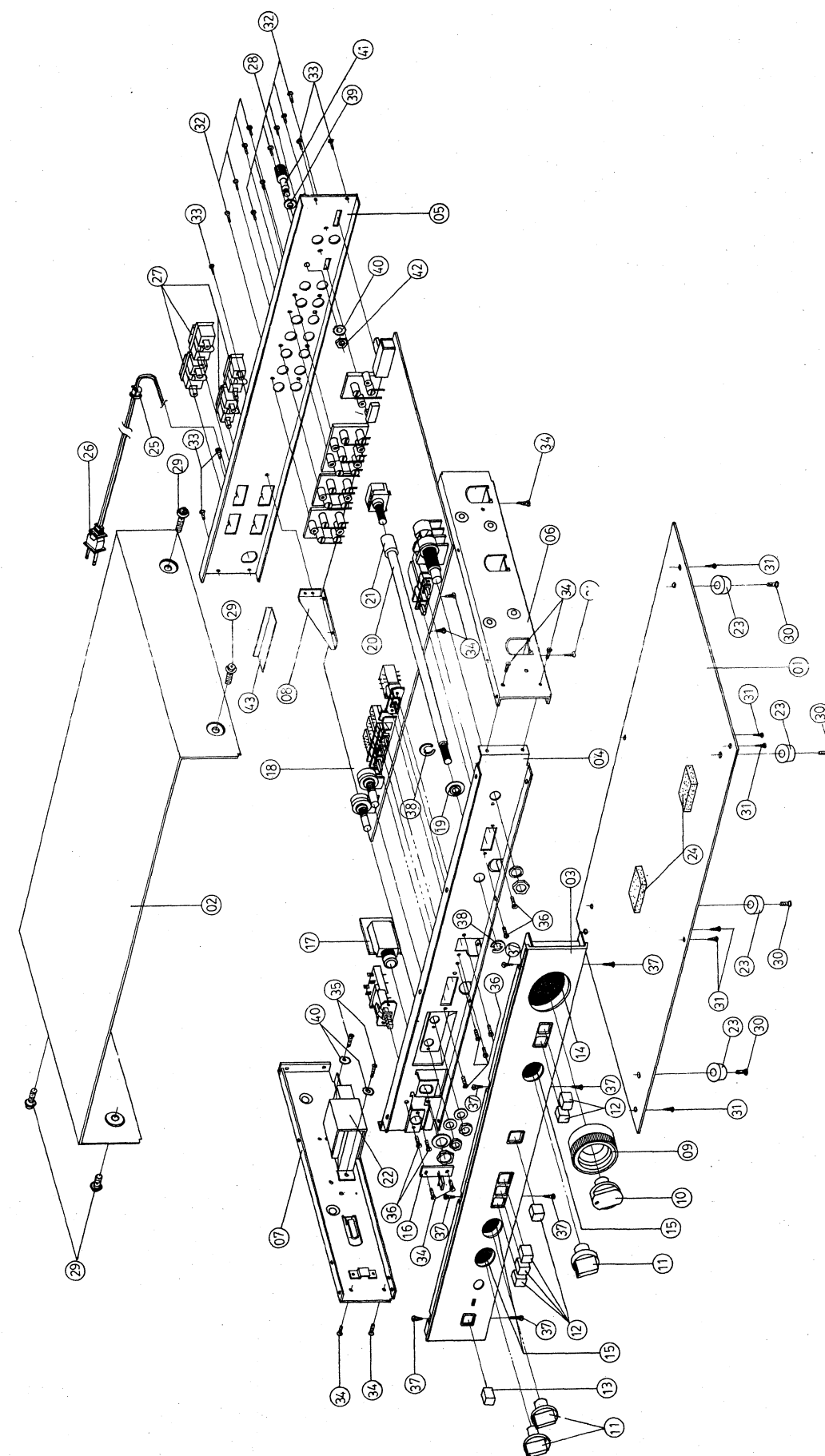
Physical Specifications

Width x Height x Depth	42cm.x 7.62cm.x 26cm. 6.5in.x 3in.x 10.25in.
Net Weight	4.25kg (9lb. 6oz.)
Shipping Weight	4.7 kg (10lb. 5oz.)
Power Consumption	50/60 Hz at 110, 120, 20, or 240 VAC 17 W

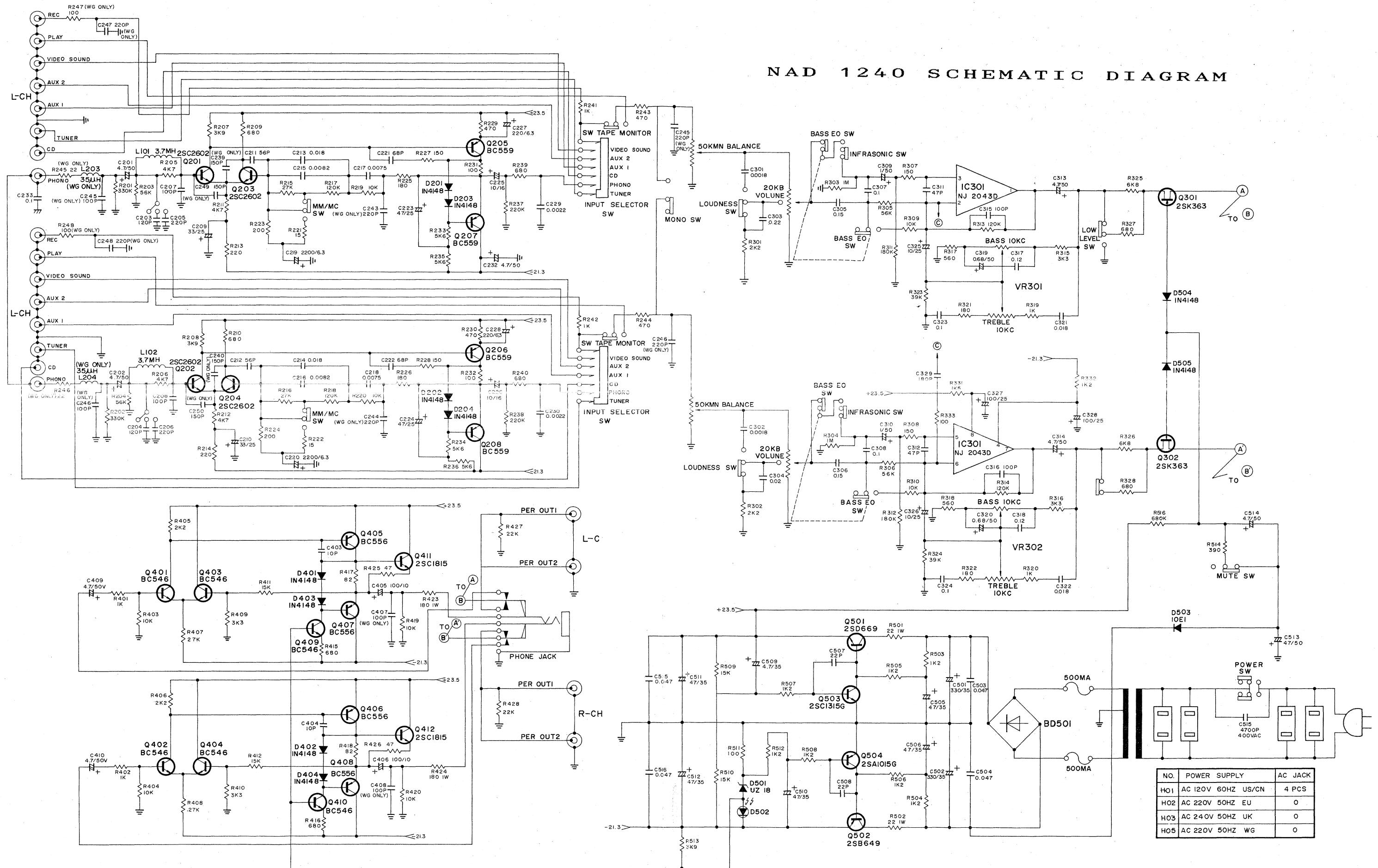
EXPLODED LIST

ITEM	PARTS NUMBER	DESCRIPTION	SPECIALITY	Q'TY
1	L580B004H01	CABINET-BOTTOM		1
2	L561B006H01	CABINET		1
3	L702A016H02	PANEL-FRONT		1
4	L547B009H01	CHASSIS FRONT SUB		1
5	L582B003H05	COVER-BACK		1
6	L547B008H01	FRAME (R)		1
7	L547B007H01	FRAME (L)		1
8	L541D089H01	BRACK, PCB SUPPORT		1
9	L704D062H01	KNOB-VOLUME		1
10	L704D065H01	KNOB-BALANCE		1
11	L704D064H01	KNOB-ROTTARY		3
12	L704D061H01	KNOB-PUSH		6
13	L704D061H02	KNOB-POWER		1
14	L550D037H02	FELT RING		1
15	L550D037H01	FELT RING		3
16	L241A066H13	PCB-MAIN	LED	1
17	L241A066H12	PCB-MAIN	HEADPHONE	1
18	L241A066H01	PCB-MAIN	(PRE AMP)	1
19	L550D036H01	GUIDE SHAFT		1
20	L531D017H02	SHAFT ROTARY		1
21	L562D022H01	SLEEVE, INPUT SELECTOR SW		1
22	L350Y078H01	TRANS-POWER	A2	1
22	L350Y049H01	TRANS-POWER	A1	1
22	L350Y050H01	TRANS-POWER	A	1
22	L350Y051H01	TRANS-POWER	B, B1	1
22	L350Y052H01	TRANS-POWER	C1, C, C2	1
22	L350Y053H01	TRANS-POWER	C3	1
23	L771D006H01	FOOT RUBBER, 12-1543		4
24	L552D015H01	CUSHION SPONGE		2
25	L540D501H01	CLAMPER		1
26	L242Y501H01	POWER-CORD	A1, A	1
26	U242C872H06	POWER-CORD	B	1
26	U242C809H19	POWER-CORD	C2, C1, C	1
26	L242Y013H01	POWER-CORD	B1	1
26	L242C310H01	POWER-CORD	C3	1
27	L449Y002H02	AC SOCKET		4
28	L531D018H01	SHAFTT-GND, 3020		1
29	L650D005H02	SCREW-B, M4X5		4
30	U650S025H31	SCREW-P	M4*10	4
31	U656S263H23	T-SCREW	2-3*6	6
32	U656S164H24	T-SCREW	1-3*8	10
33	U656S164H24	T-SCREW	1-3*8	5
34	U656S263H23	T-SCREW	2-3*6	10
35	U669S074H09	SCREW-METAL	TRANS FIX, 3*5	2
36	U650S063H19	SCREW-B	M3*6	8
37	U656S164H23	T-SCREW	1-3*6	8
38	U685S100H08	E-RING	5	2
39	L683D011H01	WASHER POST		1
40	U680S322H03	WASHER TOOTHED 3		3
41	L670D004H01	NUT, 3020	M3.5	1
42	L670D002H01	NUT-GND, 3020		1
43	L840D009H01	COVER AC SOCKET	A, A1, C2, C3	1

EXPLODED VIEW



NAD 1240 SCHEMATIC DIAGRAM



NO.	POWER SUPPLY	AC JACK
H01	AC 120V 60HZ US/CN	4 PCS
H02	AC 220V 50HZ EU	0
H03	AC 240V 50HZ UK	0
H05	AC 220V 50HZ WG	0

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE FUSES.

ATTENTION: POUR UNE PROTECTION CONTINUE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR LES FUSIBLES DE MÊME TYPE.

**F1/F2 — A: A1.C3 : 250MA 125V
B B1 C C1 C2:T 250MA 250V**

**NAD1240PE
L241A066H0
5.43.2.1 H11
TJE-014V-0**

ATTENTION: POUR UNE PROTECTION CONTINUE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR LES FUSIBLES DE MÊME TYPE.

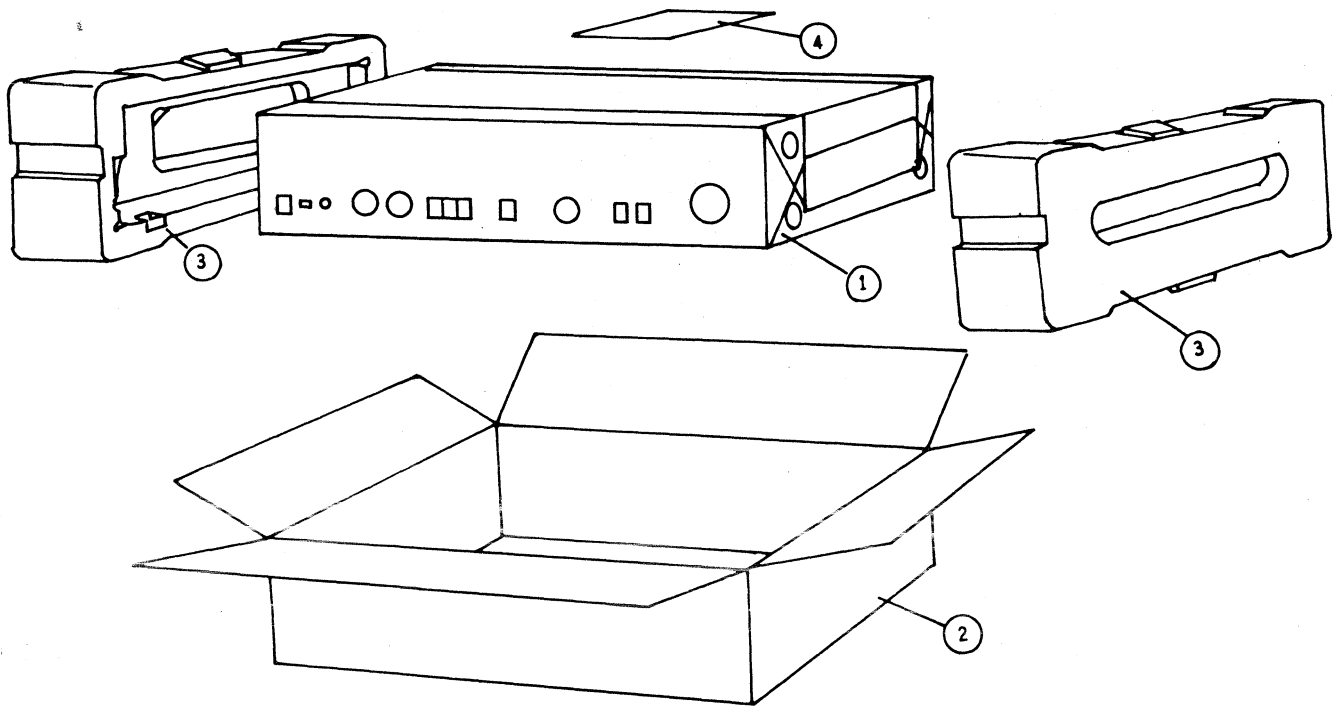
NAD1240PE
L241A066H0
5,432,1 H11
TJE-014V-0

NAD 1240PE PARTS LIST

PARTS NUMBER	DESCRIPTION	SPECIALITY	Q'TY
U656S263H23	T-SCREW	2-3*6	2
L541D089H01	ANGLE-PCB		1
U283S017H04	FUSE	250MA-UL	2
U283S022H27		250MA-SEMKO	2
U838S101H01	BAND		6
L431Y021H01	SW-SLIDE,CAPACITANCE		1
L430Y018H01	SW-SELECT,CD/PHONO/TV/VIDEO/AUX1/AUX2		1
L431Y012H01	SW-SLIDE, MM/MC		1
L432Y028H01	SW-PUSH,LOW LEVEL LOUDNESS		1
L432Y056H01	SW, TAPE-MONITOR		1
L4326045H01	SW, MONO/INF/BASS		1
L121Y010H01	VR301 VR302	10K	2
L121Y011H01	VR201	20KB+50KMN	1
U243C530H04	LEAD C413-CHASSIS	BLK	1
L440Y016H01	PHONO, JACK-RCA		1
L4406018H01	TUNER/CD/VIDEO/REC/OUY1/OUT2		2
U243C530H07	LEAD C412-CHASSIS		1
L103Y214H02	CARBON,R211,R222	1/4W 15-J	2
L103Y214H70	R417 R418	1/4W 82-J	2
L103Y214H07	R231 R232 R333 R511	1/4W 100-J	4
L103Y214H09	R227 R228 R307 R308	1/4W 150-J	4
L103Y214H10	R225 R226 R321 R322	1/4W 180-J	4
L103Y216H08	R223 R224	1/4W 200-G	2
L103Y214H11	R213 R214	1/4W 220-J	2
L103Y214H14	R514	1/4W 390-	1
L103Y214H15	R229 R230 R243 R244	1/4W 470-J	4
L103Y214H16	R317 R318	1/4W 560-J	2
L103Y214H17	R209,210,239,240,327,328	1/4W 680-J	6
L103Y214H17	R415 R416	1/4W 680-J	2
L103Y214H19	R241,242,319,320,401,402	1/4W 1K-J	6
L103Y214H20	R507 R508	1/4W 1.2K-J	2
L103Y214H20	R512 R332	1/4W 1.2K-J	2
L103Y214H21	R331	1/4W 1.5K-J	1
L103Y214H23	R301 R302 R405 R406	1/4W 2.2K-J	4
L103Y214H25	R315 R316 R409 R410	1/4W 3.3K-J	4
L103Y214H26	R207 R208 R513	1/4W 3.9K-J	3
L103Y214H27	R211 R212	1/4W 4.7K-J	2
L103Y214H28	R233 R234 R235 R236	1/4W 5.6K-J	4
L103Y214H29	R325 R326	1/4W 6.8K-J	2
L103Y214H31	R309 R310	1/4W 10K-	2
L103Y214H31	R403 R404 R419 R420	1/4W 10K-J	4
L103Y216H49	R219 R220	1/4W 10K-	2
L103Y214H33	R411 R412 R590 R510	1/4W 15K-J	4
L103Y214H36	R407 R408	1/4W 27K-J	2
L103Y216H59	R215 R216	1/4W 27K-J	2
L103Y214H38	R323	1/4W 39K-J	1
L103Y214H40	R203 R204 R305 R306	1/4W 56K-J	4

PARTS NUMBER	DESCRIPTION	SPECIALITY	Q'TY
L851D070H01	COLOR CODE TAG		1
L840D009H01	COVER-AC SOCKET		1
L242Y501H01	POWER-CORD		1
U242C872H06			1
U242C809H19	POWER-CORD		1
L242Y013H01			1
L242C310H01			1
U242C809H19			1
L243C091H10	BRN, L-L*2 R-R*2 L-R*1	LEAD	5
L449Y002H02	AC-SOCKET		4
L547B007H02	FRAME-L		1
U680S322H03	WASHER-TOOTHED	3	2
U669S074H09	SCREW-METAL	TRANS FIX,3*5	2
L350Y078H01	TRANS-POWER, A2		1
L350Y049H01	TRANS-POWER, A1		1
L350Y050H01	TRANS-POWER		1
L350Y051H01	TRANS-POWER		1
L350Y052H01			1
L350Y053H01			1
L547B009H02	CHASSIS-MAIN		1
L531D017H02	SHAFT-ROTARY		1
L550D036H01	GUIDE-SHAFT		1
L526D022H01	CONNECTOR-SHAFT		1
L550D037H01	FELT RING		3
L550D037H02			1
U685S100H08	E-RING	5	3
U650S063H19	SCREW-B,SW*8	M3*6	2
U656S263H23	T-SCREW	2-3*6	8
L432Y035H01	SW-POWER		6
L532Y034H01	C-CERAMIC, C517	400V 472M	1
U140Y007H07	LEAD POWER SW	ORG	1
L243C083H24	POWER SW	BLU	1
L243C086H24	COVER-PVC		1
L580B004H01	CABINET-BOTTOM		1
L840D010H01	COVER-WARNING		1
L851D071H01	FOOT RUBBER,12-1543		4
L771D006H01	STOPPER-WASHER	M4*10	1
L739D001H02	SCREW-P	2-3*6	4
U650S025H31	T-SCREW		6
L851D056H01	LABEL-QA		1
L552D015H02	CUSHION-PCB		1
L552D015H01	PANEL-FRONT		1
L702A016H02	KNOB-PUSH		1
L704D061H01	KNOB-POWER		6
L704D061H02	KNOB-VOLUME		1
L704D062H01	KNOB-BALANCE		1
L704D065H01	KNOB-ROTTARY		1
L704D064H01			14

PACKING DIAGRAM



PACKING LIST FOR NAD-1240

ITEM	PARTS NO.	NAME	Q'TY
1	L871B003H77	OWNER'S MANUAL	1
2	L831D003H01	PE BAG	1
3	L813A010H01	POLYLON	2
4	L800D004H03	GIFT BOX	1